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OIL PIPELINE TRANSPORT

NOVEMBER 1967

This publication has been revised to eliminate the tabulations "Receipts and Disposition of Crude Oil and Pentanes Plus, by Province-Gathering Lines" and "Receipts and Disposition of Crude Oil and Pentanes Plus, by Province-Trunk Lines". The removal of the distinction between gathering and trunk lines has resulted in the deletion of the item "Daily Average of net deliveries-gathering lines-trunk lines" in the table, "Inventories and Operating Statistics". This table has also been revised to incorporate data on inventories of Canadian oil held in bond in the U.S.A.

Net receipts of crude oil and equivalent, liquefied petroleum gases and petroleum products through Canadian oil pipelines during November increased 2.4 per cent to 48,950,931 barrels from 47,799,271 for the same period in the preceding year. The receipts were 31,285,247 barrels of domestic crude oil and equivalent (up 3.1 per cent), 10,562,481 barrels of imported crude oil, (up 4.5 per cent), 7,103,203 barrels of L.P.G.'s and products (down 3.2 per cent).

Net deliveries of petroleum and its products during the month increased 4.1 per cent to 49,063,914 barrels from 47,129,207 barrels last year. Included in the months deliveries to domestic points were 28,959,173 barrels of crude oil and equivalent (up 0.9 per cent), 12,926,310 barrels of domestic crude for export (up 14.2 per cent), 7,178,431 barrels of L.P.G.'s and products, (up 1.0 per cent).

Pipeline deliveries for November averaged 1,635,464 barrels per day with total traffic amounting to 22,048 million barrel miles. The average length of haul was 449.4 miles.

Total oil held by Canadian pipeline systems amounted to 21,263,224 barrels by the end of November. Inventories of crude oil and equivalent held in Canada decreased by 395,862 barrels while inventories of crude oil and equivalent held in Canada and the United States decreased by 165,653 barrels.

Because of technical problems March to October data are not available at present. The November information is being released in order to supply current oil transport statistics.

Manufacturing and Primary Industries Division

March 1968
6503-510

TABLE 1. Summary of Pipeline Movements of Crude Oil and Pentanes Plus, by Province

	Total 1966	November 1967							
		Total	British Columbia	Alberta	Saskat- chewan	Manitoba(1)	Ontario	Quebec	Yukon
		barrels							
<u>Receipts</u>									
Net receipts:									
From fields	27,728,712	28,179,866	1,664,877	19,204,854	6,858,786	451,349	-	-	-
From other carriers	426,147	528,628	42,107	309,884	136,843	39,794	-	-	-
From processing plants	2,195,874	2,576,753	30,208	2,525,543	21,002	-	-	-	-
L.P.G. receipts into crude stream	-	-	-	-	-	-	-	-	-
Imports	10,109,557	10,562,481	-	-	-	-	-	10,562,481	-
From other	-	-	-	-	-	-	-	-	-
Total net receipts	40,460,290	41,847,728	1,737,192	22,040,281	7,016,631	491,143	-	10,562,481	-
Transfers:									
From other provinces	43,554,441	46,939,088	6,794,284	-	11,759,603	17,240,780	11,144,421	-	-
From other pipelines	18,393,425	32,644,986	2,946,700	22,005,258	7,200,529	492,499	-	-	-
From interprovincial systems	7,179,286	6,826,323	-	729,273	101,798	5,995,252	-	-	-
Total gross receipts	109,587,442	128,258,125	11,478,176	44,774,812	26,078,561	24,219,674	11,144,421	10,562,481	-
<u>Disposition</u>									
Net deliveries:									
To refineries	28,575,463	28,887,381	3,289,988	2,780,571	1,557,378	1,292,163	9,378,675	10,588,606	-
To other carriers	55,604	33,367	-	13,484	19,883	-	-	-	-
To bulk plants and terminals	-	-	-	-	-	-	-	-	-
To processing plants	-	-	-	-	-	-	-	-	-
For export	11,321,581	12,926,310	5,631,156	420,530	-	5,216,406	1,658,218	-	-
To other	69,803	38,425	-	38,425	-	-	-	-	-
Total net deliveries	40,022,451	41,885,483	8,921,144	3,253,010	1,577,261	6,508,569	11,036,893	10,588,606	-
Transfers:									
To other provinces	43,554,441	46,939,088	-	18,553,887	17,240,780	11,144,421	-	-	-
To other pipelines	4,503,171	5,983,077	1,650,628	2,597,694	543,406	1,191,349	-	-	-
To interprovincial systems	21,069,540	33,488,232	1,296,072	20,136,837	6,758,921	5,296,402	-	-	-
Total gross deliveries	109,149,603	128,295,880	11,867,844	44,541,428	26,120,368	24,140,741	11,036,893	10,588,606	-
Pipeline fuel and use	34,100	24,028	-	23,325	703	-	-	-	-
Line losses and unaccounted for	54,833	103,870	21,896	52,648	- 6,814	23,316	-	12,824	-
Inventory changes	348,906	- 165,653	- 411,564	157,411	- 35,696	55,617	107,528	- 38,949	-
Other changes	-	-	-	-	-	-	-	-	-
Deliveries to other carriers, U.S.A.(2)	-	-	-	-	-	-	-	-	-
Total disposition	109,587,442	128,258,125	11,478,176	44,774,812	26,078,561	24,219,674	11,144,421	10,562,481	-

(1) Includes movements in the United States and inventory changes in Saskatchewan, Manitoba and U.S.A.

(2) Delivered for re-entry into Canada.

TABLE 2. Pipeline Movements of Liquefied Petroleum Gases and Petroleum Products, by Province

	Total 1966	November 1967							
		Total	British Columbia	Alberta	Saskat- chewan	Manitoba (1)	Ontario	Quebec	Yukon
		barrels							
<u>Receipts</u>									
Net receipts:									
From processing plants	1,176,229	1,175,303	21,464	1,112,615	41,224	-	-	-	-
From refineries and bulk plants	6,123,752	5,610,341	105,747	137,836	40,831	-	4,165,278	1,160,649	-
Imports	39,000	56,654	56,654	-	-	-	-	-	-
From other carriers	-	260,905	7,845	253,060	-	-	-	-	-
Total net receipts	7,338,981	7,103,203	191,710	1,503,511	82,055	-	4,165,278	1,160,649	-
Transfers:									
From other provinces	3,256,839	3,434,160	562,499	-	657,912	653,869	1,503,226	-	56,654
From other pipelines	664,829	724,318	-	724,318	-	-	-	-	-
Total gross receipts	11,260,649	11,261,681	754,209	2,227,829	739,967	653,869	5,668,504	1,160,649	56,654
<u>Disposition</u>									
Net deliveries:									
To refineries	438,976	543,812	42,239	108,616	-	-	392,957	-	-
To other carriers	32,321	-	-	-	-	-	-	-	-
To bulk plants and terminals	6,110,194	5,795,038	105,747	-	86,098	312,935	5,241,340	-	48,918
For export	301,834	337,323	288,998	8,170	-	-	40,155	-	-
To other	223,431	502,258	269,905	232,353	-	-	-	-	-
Total net deliveries	7,106,756	7,178,431	706,889	349,139	86,098	312,935	5,674,452	-	48,918
Transfers:									
To other provinces	3,256,839	3,434,160	56,654	1,220,411	653,869	342,577	-	1,160,649	-
To other pipelines	121,233	222,191	-	222,191	-	-	-	-	-
To interprovincial systems	543,596	502,127	-	502,127	-	-	-	-	-
Total gross deliveries	11,028,424	11,336,909	763,543	2,293,868	739,967	655,512	5,674,452	1,160,649	48,918
Pipeline fuel and use	-	112	112	-	-	-	-	-	-
Line losses and unaccounted for	6,539	- 7,145	- 1,098	- 5,875	-	- 1,950	1,734	-	44
Inventory changes	225,686	- 68,195	- 8,348	- 60,164	-	307	- 7,682	-	7,692
Other changes	-	-	-	-	-	-	-	-	-
Deliveries to other carriers - U.S.A.	-	-	-	-	-	-	-	-	-
Total disposition	11,260,649	11,261,681	754,209	2,227,829	739,967	653,869	5,668,504	1,160,649	56,654

(1) Includes movements in the United States and inventory changes in Saskatchewan, Manitoba and U.S.A.

TABLE 3. Summary of Pipeline Movements, by Commodity Groups, by Month, 1967

No.		Total year to date*	January	February	March
	Receipts				
	Crude oil and equivalent:(1)				
	Net receipts:				
1	From fields	28,784,818	25,147,546		
2	From other carriers	453,548	432,213		
3	From processing plants	2,217,510	2,172,004		
4	L.P.G. receipts into crude stream	-	-		
5	Imports	10,801,086	10,260,066		
6	From other	-	-		
7	Total net receipts	42,256,962	38,011,829		
8	Transfers	73,458,096	73,409,735		
9	Total gross receipts	115,715,058	111,421,564		
	L.P.G.'s and products:(2)				
10	From processing plants	1,170,645	996,667		
11	From bulk plants and refineries	6,474,795	6,284,439		
12	Imports	47,056	33,188		
	From other carriers	221,006	193,840		
13	Total net receipts	7,913,502	7,508,134		
14	Transfers	4,469,216	4,282,912		
15	Total gross receipts	12,382,718	11,791,046		
16	Total net receipts - All commodities	50,170,464	45,519,963		
	Disposition				
	Crude oil and equivalent:(1)				
	Net deliveries:				
17	To refineries	30,175,223	26,642,536		
18	To other carriers	57,465	54,788		
19	To bulk plants and terminals	-	-		
20	For export	11,881,898	9,958,137		
21	To other	750	1,157		
22	Total net deliveries	42,115,336	36,656,615		
23	Transfers	73,458,096	73,409,735		
24	Total gross deliveries	115,573,432	110,066,350		
25	Pipeline fuel and use	38,385	31,329		
26	Line losses and unaccounted for	- 1,493	45,827		
27	Inventory changes	104,734	1,278,058		
28	Other changes	-	-		
29	Deliveries to other carriers, U.S.A.	-	-		
30	Total disposition	115,715,058	111,421,564		
	L.P.G.'s and products:(2)				
31	To refineries	626,657	510,702		
32	To other carriers	-	-		
33	To bulk plants and terminals	6,687,130	6,268,788		
34	For export	350,012	262,090		
35	To other	470,331	450,651		
36	Total net deliveries	8,134,130	7,492,231		
37	Transfers	4,469,216	4,282,912		
38	Total gross deliveries	12,603,346	11,775,143		
39	Pipeline fuel and use	4,460	85		
40	Line losses and unaccounted for	39,395	- 2,787		
41	Inventory changes	- 264,483	18,605		
42	Other changes	-	-		
43	Deliveries to other carriers, U.S.A.	-	-		
44	Total disposition	12,382,718	11,791,046		
45	Total net deliveries - All commodities ...	50,249,466	44,148,846		

(1) Source - Table 1.

(2) Source - Table 4.

* Year to date total will be inserted when the backlog months are tabulated.

TABLE 3. Summary of Pipeline Movements, by Commodity Groups, by Month, 1967- Concluded

April	May	June	July	August	September	October	November	December	No.
							28,179,866		1
							528,628		2
							2,576,753		3
							-		4
							10,562,481		5
							-		6
							41,847,728		7
							86,410,397		8
							128,258,125		9
							1,175,303		10
							5,610,341		11
							56,654		12
							260,905		
							7,103,203		13
							4,158,478		14
							11,261,681		15
							48,950,931		16
							33,387,381		17
							33,367		18
							-		19
							12,726,310		20
							38,425		21
							41,885,483		22
							86,410,397		23
							128,295,880		24
							24,028		25
							103,870		26
							- 165,653		27
							-		28
							-		29
							128,258,125		30
							543,812		31
							-		32
							5,795,038		33
							337,323		34
							502,258		35
							7,178,431		36
							4,158,478		
							4,165,981		37
							11,346,913		38
							11,326,909		
							112		39
							- 7,145		40
							- 68,195		41
							-		42
							-		43
							11,261,681		44
							49,063,914		45

TABLE 4. Oil Pipelines - Inventories and Operating Statistics

		Crude oil pipeline	L.P.G.'s. and products	All pipelines November 1967	All pipelines November 1966
		Gathering and trunk	Trunk		
Inventories end of month:					
Shippers' balances	barrels	18,532,968	1,421,973	19,954,941	16,621,460
Carriers' balances	"	1,312,103	- 3,820	1,308,283	1,797,876
Total inventory	"	19,845,071	1,418,153	21,263,224	18,419,336
Oil held in lines in Canada	"	13,974,112	786,355	14,760,467	11,894,186
Oil held in tanks in Canada	"	5,870,959	631,798	6,502,757	6,525,150
Inventory change in Canada	"	- 395,862	- 68,502	- 464,364	666,177
Canadian Oil held in U.S. - Lines	"	5,938,304	193,653	6,131,957	5,556,204
Tanks	"	1,131,979	71,856	1,203,835	1,228,193
Total barrel miles:					
Trunk lines	000's miles	21,254,785	793,477	22,048,262	19,965,791
Average miles per barrel:					
Trunk lines	miles	507.4	110.5	449.4	425.9
		All pipelines 1967		All pipelines 1966	
Operating revenues:					
Three months ended Mar. 31	dollars	39,071,735		38,286,608 ^F	
Six months " June 30	"	77,960,702		75,702,220 ^F	
Nine months " Sept. 30	"	126,464,434		114,494,254	
Twelve months " Dec. 31	"			160,180,889	

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